

Job Title: CIVIL ENGINEER III-BRIDGE INSPECTION ENGINEER - IPR#45378

Agency : Department of Transportation

Closing Date/Time: 02/07/2023

Salary: \$5,430 - \$9,000 Monthly

Job Type: Salaried Full Time

County: Cook

Number of Vacancies: 2

Plan/BU: NR916 - Protech Teamsters

This position is a union position; therefore, provisions of the relevant collective bargaining agreement/labor contract apply to the filling of this position.

All applicants who want to be considered for this position MUST apply electronically through the illinois.jobs2web.com website. State of Illinois employees should click the link near the top left to apply through the SuccessFactors employee career portal.

Applications submitted via email or any paper manner (mail, fax, hand delivery) will not be considered.

***This position is covered by the Revolving Door Prohibition Policy.**

Agency Mission Statement:

The Illinois Department of Transportation is seeking to hire Bridge Inspection Engineers.

The IDOT team works diligently to provide safe, cost-effective transportation for Illinois in ways that enhance quality of life, promote economic prosperity and protect our environment. We are problem solvers and leaders, constantly searching for innovations and improvements in support of our commitment to providing the best multimodal transportation system for Illinois.

Our team fosters a culture of inclusivity. We value diversity and hold ourselves to the highest ethical standards as we work together for a common purpose. Team members frequently collaborate with colleagues and others outside the department to best meet customer needs.

The department offers extensive training and career advancement opportunities. Employees also receive a robust benefit package including:

- Monday-Friday work schedule
- Flexible work schedules are available in many program areas.
- Health, Life, Vision, and Dental Insurance
- Pension Plan
- (10) Weeks paid Maternity/Paternity Leave
- Deferred Compensation Program and other pre-tax benefit programs (Medical/Daycare)
- Employees earn (12) paid Sick Days annually.
- New Employees earn (10) paid Vacation Days their first year of service and can earn up to (25) paid Vacation Days annually.
- Employees earn (3) paid Personal Days annually.
- (13-14) paid holidays annually (based on start date)
- Tuition Reimbursement

We invite qualified applicants to apply to become part of our team. We are confident that you will take pride in serving Illinois and its residents and visitors.

Job Responsibilities

This position is accountable for the National Bridge Inspection Standards (NBIS), In-depth, Element Level, Fracture Critical, Underwater and Special bridge inspections, as well as for providing information necessary to complete bridge condition reports and other bridge related inspections for all the bridges in the assigned geographic area.

Number of Bridges: 750 Bridges & 500 Small Culverts
Annual Inspections Conducted: 1,000

Dollar Value of Investment: \$5B – \$7B

This position reports to the Area Bridge Inspection Engineer. No staff reports to this position.

This position functions in an area where the accessibility to the structures requiring inspection is often difficult and dangerous and requires the use of specialty equipment and the latest technology to make certain that the information obtained leads to decisions about bridge condition that ensures the continued safe and economical movement of traffic. The fact that these highways carry three to four billion vehicle miles of traffic annually complicates the problem of developing and implementing an effective program of bridge inspection.

Typical problems encountered by the incumbent include: the physical inspection of all the bridges in the geographic area to ensure that prescribed time frames are met for NBIS, In-depth, Element Level, Fracture Critical, Special Inspection and mandated inspections. The greatest challenge to this position is providing quality inspection information that contributes to preserving the structural integrity and operating effectiveness of all the bridges in the assigned geographic area and that critical information detected during inspections is quickly made available to the appropriate decision makers.

(Job Responsibilities continued)

The incumbent personally performs activities necessary to complete all required bridge inspections for the bridges in the assigned geographic area in conformance with prescribed deadlines and frequency. These inspections are complicated by several factors including: the extreme diversity of these bridges (from rural bridges to the world's busiest, from simple span to complex mechanical bridges); high traffic volumes, and severe resource and equipment constraints that require that bridge inspections be carefully scheduled, expedited, and undertaken with extreme technical ingenuity; with a continuous emphasis on safety, accuracy and timeliness. This position performs inspections in a safe manner, follows inspection schedules with quality results and that critical information concerning bridge deficiencies, need for maintenance or other factors are quickly analyzed and provided to those persons, agencies or department units which need to know the critical information in order to make timely decisions and/or repairs. The incumbent must ensure the proper use of personnel, equipment, and other resources to complete the required inspection schedule. The incumbent prepares bridge inspection reports for bridges in the assigned geographic area, ensuring accuracy and timeliness.

The incumbent works within the established engineering guidelines for bridge inspection, however, considerable independent judgment is required when reviewing or performing bridge inspections and inspection reports. The incumbent performs duties within the constraints imposed by budget, department policies, union agreements, NBIS standards and seasonal weather conditions.

Frequent contact is maintained with consultants, the public, federal, and other state and local agencies. Internally the incumbent maintains frequent contact with the district bureaus of Traffic, Programming, Design, and Construction.

The effectiveness of this position can be measured by the incumbent's ability to provide quality bridge inspections while meeting deadlines.

Principal Accountabilities

1. Performs annual bridge inspection programs including NBIS, In-depth, Element Level, Fracture Critical, Underwater and Special for the assigned geographic area.
2. Ensures inspection schedules are met.
3. Maintains technical expertise necessary to perform bridge inspections.
4. Provides critical information to the proper authorities in a timely manner.
5. Performs duties in compliance with departmental safety rules. Performs all duties in a manner conducive to the fair and equitable treatment of all employees.
6. Performs other duties as assigned.

Qualifications

Position Requirements

- **Education/Experience**
 - Completion of a or bachelor's degree in engineering from an ABET accredited college OR master's degree in engineering OR a current Engineer Intern License in the state of Illinois
 - Forty-Three (43) months of civil engineering experience

- Ability to work in confined spaces, at times during off-peak hours, utilizing mechanical equipment and in varying weather conditions
- Ability to climb/use ladders or operate mechanical equipment to access parts of bridges at considerable heights
- Ability to work over and in waterways, including utilizing various types of boats and accessing waterways with waders or hip boots
- Valid driver's license

Position Desirables

- Working knowledge of maintenance and/or construction with an emphasis in structures
- Ability to utilize computers and various software programs to perform work
- Good written and oral communication skills

Work Hours: 8:00 AM - 4:15 PM Monday-Friday (45-minute lunch)

Work Location: 1101 Biesterfield Rd Elk Grove Village, IL 60007-7227

Office: Office of Highways Project Implementation/Region 1/District 1/Maintenance

Agency Contact: DOT.CONTACTHR@ILLINOIS.GOV

Job Family: Transportation

APPLICATION INSTRUCTIONS

Use the "Apply" button at the top right or bottom right of this posting to begin the application process.

If you are not already signed in, you will be prompted to do so.

State employees should sign in to the career portal for State of Illinois employees – a link is available at the top left of the Illinois.jobs2web.com homepage in the blue ribbon.

Non-State employees should log in on the using the "View Profile" link in the top right of the Illinois.jobs2web.com homepage in the blue ribbon. If you have never before signed in, you will be prompted to create an account.

If you have questions about how to apply, please see the following resources:

State employees: Log in to the career portal for State employees and review the Internal Candidate Application Job Aid

Non-State employees: on Illinois.jobs2web.com – click "Application Procedures" in the footer of every page of the website.

The main form of communication will be through email. Please check your "junk mail", "spam", or "other" folder for communication(s) regarding any submitted application(s). You may receive emails from the following addresses:

- donotreply@SIL-P1.ns2cloud.com
- systems@SIL-P1.ns2cloud.com